# RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: _10/577,781_
Source: _1FWP_
Date Processed by STIC: _6/5/06_

# *ENTERED*

IFWP

RAW SEQUENCE LISTING        DATE: 06/05/2006
PATENT APPLICATION:  US/10/577,781    TIME: 10:03:24

Input Set : **A:\Sequence Listing 4439-4042.txt**
Output Set: **N:\CRF4\06052006\J577781.raw**

```
 3 <110> APPLICANT: Masayoshi Yamaguchi
 5 <120> TITLE OF INVENTION: Hyperlipidemia/Hyperalbuminemia Model Animal
 7 <130> FILE REFERENCE: 4439-4042
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/577,781
C--> 9 <141> CURRENT FILING DATE: 2006-04-28
 9 <150> PRIOR APPLICATION NUMBER: JP2003-374098
10 <151> PRIOR FILING DATE: 2003-11-04
12 <160> NUMBER OF SEQ ID NOS: 4
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 900
18 <212> TYPE: DNA
19 <213> ORGANISM: Rattus norvegicus
21 <220> FEATURE:
22 <221> NAME/KEY: CDS
23 <222> LOCATION: (1)..(900)
25 <400> SEQUENCE: 1
26 atg tct tcc atc aag att gaa tgt gtt tta agg gag aac tac agg tgt    48
27 Met Ser Ser Ile Lys Ile Glu Cys Val Leu Arg Glu Asn Tyr Arg Cys
28  1               5                  10                  15
30 ggg gag tcc cct gtg tgg gag gag gca tca aag tgt ctg ctg ttt gta    96
31 Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val
32             20                  25                  30
34 gac atc cct tca aag act gtc tgc cga tgg gat tcg atc agc aat cga   144
35 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
36         35                  40                  45
38 gtg cag cga gtt ggt gta gat gcc cca gtc agt tca gtg gca ctt cga   192
39 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
40     50                  55                  60
42 cag tca gga ggc tat gtt gcc acc att gga acc aag ttc tgt gct ttg   240
43 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
44 65                  70                  75                  80
46 aac tgg gaa gat caa tca gta ttt atc cta gcc atg gtg gat gaa gat   288
47 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
48                 85                  90                  95
50 aag aaa aac aat cga ttc aat gat ggg aag gtg gat cct gct ggg aga   336
51 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
52             100                 105                 110
54 tac ttt gct ggt acc atg gct gag gaa acc gcc cca gct gtt ctg gag   384
55 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
56         115                 120                 125
58 cgg cac caa ggg tcc ttg tac tcc ctt ttt cct gat cac agt gtg aag   432
59 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
```

```
60      130                      135                      140
62 aaa tac ttt aac caa gtg gat atc tcc aat ggt ttg gat tgg tcc ctg    480
63 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
64 145                      150                      155                      160
66 gac cat aaa atc ttc tac tac att gac agc ctg tcc tac act gtg gat    528
67 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
68                      165                      170                      175
70 gcc ttt gac tat gac ctg cca aca gga cag att tcc aac cgc agg act    576
71 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
72                      180                      185                      190
74 gtt tac aag atg gaa aaa gat gaa caa atc cca gat gga atg tgc att    624
75 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
76           195                      200                      205
78 gat gtt gag ggg aag ctt tgg gtg gcc tgt tac aat gga gga aga gta    672
79 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
80      210                      215                      220
82 att cgc cta gat cct gag aca ggg aaa aga ctg caa act gtg aag ttg    720
83 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
84 225                      230                      235                      240
86 cct gtt gat aaa aca act tca tgc tgc ttt gga ggg aag gat tac tct    768
87 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
88                      245                      250                      255
90 gaa atg tac gtg aca tgt gcc agg gat ggg atg agc gcc gaa ggt ctt    816
91 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
92           260                      265                      270
94 ttg agg cag cct gat gct ggt aac att ttc aag ata aca ggt ctt ggg    864
95 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
96           275                      280                      285
98 gtc aaa gga att gct cca tat tcc tat gca ggg taa                    900
99 Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
100     290                      295
103 <210> SEQ ID NO: 2
104 <211> LENGTH: 299
105 <212> TYPE: PRT
106 <213> ORGANISM: Rattus norvegicus
108 <400> SEQUENCE: 2
109 Met Ser Ser Ile Lys Ile Glu Cys Val Leu Arg Glu Asn Tyr Arg Cys
110 1               5                       10                      15
111 Gly Glu Ser Pro Val Trp Glu Glu Ala Ser Lys Cys Leu Leu Phe Val
112           20                      25                      30
113 Asp Ile Pro Ser Lys Thr Val Cys Arg Trp Asp Ser Ile Ser Asn Arg
114           35                      40                      45
115 Val Gln Arg Val Gly Val Asp Ala Pro Val Ser Ser Val Ala Leu Arg
116      50                      55                      60
117 Gln Ser Gly Gly Tyr Val Ala Thr Ile Gly Thr Lys Phe Cys Ala Leu
118 65                      70                      75                      80
119 Asn Trp Glu Asp Gln Ser Val Phe Ile Leu Ala Met Val Asp Glu Asp
120                      85                      90                      95
121 Lys Lys Asn Asn Arg Phe Asn Asp Gly Lys Val Asp Pro Ala Gly Arg
```

RAW SEQUENCE LISTING                      DATE: 06/05/2006
PATENT APPLICATION:  US/10/577,781        TIME: 10:03:24

Input Set : A:\Sequence Listing 4439-4042.txt
Output Set: N:\CRF4\06052006\J577781.raw

```
122                100                105                110
123 Tyr Phe Ala Gly Thr Met Ala Glu Glu Thr Ala Pro Ala Val Leu Glu
124         115                120                125
125 Arg His Gln Gly Ser Leu Tyr Ser Leu Phe Pro Asp His Ser Val Lys
126     130                135                140
127 Lys Tyr Phe Asn Gln Val Asp Ile Ser Asn Gly Leu Asp Trp Ser Leu
128 145                150                155                160
129 Asp His Lys Ile Phe Tyr Tyr Ile Asp Ser Leu Ser Tyr Thr Val Asp
130                165                170                175
131 Ala Phe Asp Tyr Asp Leu Pro Thr Gly Gln Ile Ser Asn Arg Arg Thr
132                180                185                190
133 Val Tyr Lys Met Glu Lys Asp Glu Gln Ile Pro Asp Gly Met Cys Ile
134         195                200                205
135 Asp Val Glu Gly Lys Leu Trp Val Ala Cys Tyr Asn Gly Gly Arg Val
136     210                215                220
137 Ile Arg Leu Asp Pro Glu Thr Gly Lys Arg Leu Gln Thr Val Lys Leu
138 225                230                235                240
139 Pro Val Asp Lys Thr Thr Ser Cys Cys Phe Gly Gly Lys Asp Tyr Ser
140                245                250                255
141 Glu Met Tyr Val Thr Cys Ala Arg Asp Gly Met Ser Ala Glu Gly Leu
142         260                265                270
143 Leu Arg Gln Pro Asp Ala Gly Asn Ile Phe Lys Ile Thr Gly Leu Gly
144         275                280                285
145 Val Lys Gly Ile Ala Pro Tyr Ser Tyr Ala Gly
146     290                295
150 <210> SEQ ID NO: 3
151 <211> LENGTH: 24
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer huRC-1
158 <400> SEQUENCE: 3
159 ggaggctatg ttgccaccat tgga                                     24
162 <210> SEQ ID NO: 4
163 <211> LENGTH: 23
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer huRC-2
170 <400> SEQUENCE: 4
171 ccctccaaag cagcatgaag ttg                                      23
```

**VERIFICATION SUMMARY**                    DATE: 06/05/2006
PATENT APPLICATION:  **US/10/577,781**      TIME: 10:03:25

Input Set : **A:\Sequence Listing 4439-4042.txt**
Output Set: **N:\CRF4\06052006\J577781.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date